

CURRICULUM VITAE

BIODATA



MOHD KHANAPI ABD GHANI (Professor of Health ICT)

He is a Professor at the Department of Software Engineering, Faculty of Information and Communication Technology, Universiti Teknikal Malaysia Melaka (UTeM). He had 17 years of experience in managing, developing and implementing commercial and national ICT projects before changing his career path from industry to academia in 2003. He has been with industry in commercial systems development since 1988 including the Institute of Language and Literature Malaysia, Nasional Saving Bank (BSN), Permodalan Nasional Berhad (PNB), PNBIT, Heitech Padu Berhad and Medical Online Bhd. He started his carrier as a programmer and progressed to system analyst, project leader, project manager and software development manager.

He earned his Diploma in Computer Science, from MARA Institute of Technology Malaysia, He then received his Bachelor Degree in Computer Science and Master of Science in Real Time Software Engineering from Universiti Teknologi Malaysia. He then pursues a third degree on **Biomedical Computing** and earned a Doctor of Philosophy (PhD) from Coventry University, United Kingdom in 2009.

His research areas of interest include **Health Informatics/Biomedical Computing** (electronic healthcare systems, telemedicine, healthcare knowledge management, AI in Healthcare, Big Data in Healthcare) and **Software Engineering** (system development, system design & architecture, database design and software reuse). He has appointed as Telehealth Associate Consultant for AIH Group (Malaysia) Sdn Bhd for developing telehealth/electronic healthcare application nationally and internationally. He holds several management positions such as Deputy Director of Centre for Research and Innovation Management, Deputy Dean Research and Post-Graduate and, Dean Faculty of Information and Communication Technologies of Universiti Teknikal Malaysia Melaka (UTeM). He is also a founder of Biomedical Computing and Engineering Technologies (BIOCORE Malaysia) Research Group and lead several research projects in healthcare system and commercial software projects. Due to his invaluable experience and knowledge in real software development while working in industry before, he taught related software engineering subject included Advance Software Engineering, Software Analysis and Design using UML, Software Testing and Quality Assurance and, Software Project Management.

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A. EDUCATION HISTORY

- PhD in Biomedical Computing (Telemedicine)
Coventry University, United Kingdom
- MSc in Computer Science (Real-Time Software Engineering)
Universiti Teknologi Malaysia
- BSc in Computer Science
Universiti Teknologi Malaysia
- Diploma in Computer Science
Mara Institute of Technology

B. EMPLOYMENT HISTORY

- Dec 2016 - till now Professor at UTeM
- Aug 2011 - Nov 2016 Assoc. Professor at UTeM
- Mar 2003 – July 2011 Senior Lecturer at UTeM
- Apr 2001 – Aug 2003 Software Dev. Manager at Medical Online Sdn Bhd
Project: Development and implementation of Multimedia Super Corridor (MSC) Integrated Telehealth/Telemedicine Project for Ministry of Health Malaysia.
- Jan1995 – Mar 2001 Project Manager/Software Leader at Heitech Padu Berhad
Project: Managing/Developing/implementing of commercial software for Malaysia Government Link Company and Small Medium Industry Company.
- Aug1991 - Dec1994 System Analyst at Permodalan Nasional Berhad
Project: National project for computerization of Malaysian Unit Trust Scheme System (ASB and ASN) of Malaysia.
- Jan1989 - Aug1991 Programmer at National Saving Bank of Malaysia (BSN)
Project: Involved in analysis, design, implementation and maintenance of GIRO Banking System for National Saving Bank of Malaysia.
- Oct1988 - Dec1988 Programmer at Malay Institute of Language and Literature
Project: Develop and maintain Book Publication and budgeting system.

Administration experience

- Coordinator for Master in Information System program, UTeM (Jan 2018 – Now)
- Dean Faculty of Information and Communication Technologies, UTeM (26 May 2013 - 27 May 2015)
- Deputy Dean of Research and Post-graduate, Faculty of Information and Communication Technologies, UTeM (Jan 2013 – May 2013)
- Deputy Director of Centre for Research and Innovation Management, UTeM (Jun 2011 – Dec 2013)
- Kolej Universiti Teknikal Kebangsaan Malaysia (Sep 2003 – Nov 2005)

Subject Leader (Software Testing and Quality Assurance) Faculty of Information and Communication Technology

- Kolej Universiti Teknikal Kebangsaan Malaysia (Jan 2004 – Nov 2005)
Final Project Coordinator (Bachelor programme and Diploma programme)
Faculty of Information and Communication Technology
- Kolej Universiti Teknikal Kebangsaan Malaysia (Jul 2005 – Nov 2005)
Subject Leader (Software Project Management)
Faculty of Information and Communication Technology
- Kolej Universiti Teknikal Kebangsaan Malaysia (Sep 2003 – Nov 2005)
Subject Leader (System Analysis and Design using UML)
Faculty of Information and Communication Technology
- Kolej Universiti Teknikal Kebangsaan Malaysia (Jan 2004 – Nov 2005)
Final Project Coordinator (Bachelor programme and Diploma programme)
Faculty of Information and Communication Technology
- Kolej Universiti Teknikal Kebangsaan Malaysia (Jul 2005 – Nov 2005)
Subject Leader (Software Project Management)
Faculty of Information and Communication Technology
- Kolej Universiti Teknikal Kebangsaan Malaysia (Sep 2003 – Nov 2005)
Subject Leader (System Analysis and Design using UML)
Faculty of Information and Communication Technology
- Medical Online Sdn Bhd (2001 - 2003)
Software Development Manager
Dept. of Lifetime Health Plan for MSC Telemedicine Project
- HT Soft Sdn Bhd a subsidiaries of Heitech Padu Berhad (1998-2001)
Head/Software Manager
Dept. of Research & Development/Software Development

C. CONSULTANCY

- Visiting Professor for Dijlah University College, Baghdad, Iraq
- Principal Consultant for E-Health for BIT Group of Company, Cyberjaya, Selangor (2017 – till now)
- Associate Telehealth Consultant for AIH Berhad, Kuala Lumpur (2009 – till now)
- Malaysia Computing Standard Panel for MQA (2014 – till now).
- Conference Advisor for International Conference on Social Science and Technology Engineering (ICSSTE 2016), 15-17 November, Yogyakarta, Indonesia.
- Conference Advisor for International Conference on Social Science and Engineering Technology (ICSSET 2016), 23-24 May, Rembang, Central Jawa, Indonesia.
- Lead the development of Electronic Clinical Support System (E-CSS) for UTeM Health Centre (Till now).

- Lead research and development of Electronic Clinical Support System (E-CSS) product for commercial (Till now).
- Members of Advisor Committee for Centre for Medical Electronic Technology (CMET), Politeknik Sultan Salahuddin Abdul Aziz Shah (Jun 2015 – May 2017).
- Development of MRSM EDUCATION EXCELLENT SYSTEM (EDEX) project for 42 MRSM, MARA, Malaysia (Dec 2015 – Nov 2016)
- Head Faculty Facilitator for STEM programme for MRSM, Malaysia 20-26 Nov 2015.
- Development of MRSM Enrichment Programme System (E-MEPS) project for 42 MRSM, MARA, Malaysia (Nov 2014 – Nov 2015)
- Advisor for developing new Master and Bachelor programme/curriculum reviewer for Kolej Universiti Islam Melaka (KUIM) (2014).
- Advisor for developing new Bachelor and Diploma programme for MIGHTYSkill College Malaysia (2013 – till now).

D. RESEARCH AREA/INTEREST

- **Health Informatics/Biomedical Computing** (electronic healthcare systems, telemedicine, healthcare knowledge management, AI in Healthcare, Big Data in Healthcare)
- **Software Engineering** (system development, system architecture, database design and software reuse)

E. SUPERVISION/EXAMINER

Supervision (Completed):

PhD:

1. Nasir G. Noma – PhD: Knowledge Discovery Using Fractal and Machine Learning Algorithm for Medical Audiology Records (2014) - completed
2. Mustapha Musa Jaber – PhD: Emperical Studies of the Key Factors Effecting the Use of Telemedicine in Iraqi Hospitals (May 2016) – completed
3. Hamida Mohamed Almangush – PhD: Healthcare Data Hiding Using Steganography Technique (Jun 2016) - completed
4. Raja Rina Raja Ikhram - PhD: Health Informatics Framework for Traditional Malay Medicine: A case of Postnatal Treatment (Mac 2017) - completed
5. Daniel Hartono – PhD: Preprocessing Technique Model For Non-Classification Diseases Prediction (Jan 2018) - completed
6. Mazin Abed Mohamed – PhD: An intelligent diagnosis and optimizer for Tele-ENT(Nose) cancer disease using genetic algorithm (main supervisor) – (Dec 2018) – completed
7. Ali Fahem Nemah – PhD: EHR Adoption Model in Iraq healthcare system (main supervisor) – (Jun 2019) - completed.

8. Yahaya Abd Rahim – PhD : Anonymization Data Network (July 2016 - completed) – 2nd supervisor – 2nd supervisor
9. Zulkiflee Bin Muslim - PhD : Ensuring evidence preservation from insiders threats in network forensic (2017 - completed) – 2nd supervisor

Master by Research:

10. Farah Aris - Master by research: Hybrid Architecture for Accessing Pervasive Health Record using Mobile Application (2017 – completed)
11. Siti Aishah - Master by research: Development of Pervasive Health Records Framework (Oct 2016 - completed)
12. Umar Mokhtar Hambaran - Master By Research: Hybrid Software Architecture Framework For Doctor-Patient Consultation (Mac 2016) – completed
13. Nur Farhana Zakaria - Master by research: A Flexible User Interface Design for Capturing Clinical Finding (2015) – completed
14. Raja Rina Raja Ikhrum – Master by research : Halal Computer Validation Framework For The Pharmaceutical Industry (2012) – completed
15. Fathin Nabilla Md Leza - Master by research: Improving Complete Access to Data Within Collaborative Systems in Healthcare Domain (Oct 2016 – completed – 2nd supervisor)
16. Noor Azilah Pakri – Master by research: Data Mining Approach for Medical Decision Support (2011) – completed - 2nd supervisor

Msc. Taught course:

17. Wareeth Abd Alkareem Shnan – Master project by course work : INVESTIGATION OF THE SUITABLE FRAMEWORK FOR THE ONLINE PHARMACY IN IRAQ [2018]
18. Nurul Anisa Sri Winarsih – Master project by course work : Improve Text To Speech Method For Malaysian Language : Case Study Utem Health Centre [2017]
19. Nazatulshima Zakaria - Master project by course work: Conceptual Model Of A Personalized Health Records System (PHRS) [2013]
20. Ika Novita Dewi – Master project by taught: Recording Approach For Patient Health Record: A Comparison Between Speech Recognition and Text Input Using Computer Keyboard (2011).
21. Aznor Juryantie Ibrahim – Master project by taught: Patient Monitoring Using Short Message Service (SMS) [2010]

Supervision (In progress):

PhD/MSc : (main supervisor)

1. Nor Afirdaus Zainal Abidin - PhD: Integrated Telehomecare System Framework for Seamless Access Health Records (main supervisor) – notice for submission/VIVA in September 2019.
2. Joko Sutopo – PhD: The Design of Dance Movement Model Using Laban Movement Analysis (LMA)
3. Purwono Hendradi – PhD: Cloud Base Framework For Implementing E-Learning Service

4. Ammar Awad Mutlag – PhD: An Efficient Scheduling and Resource Allocation Methodology for Heterogeneous Cloud Environments
5. Novi Azman – PhD: The Adoption of Telemonitoring System for Insomnia Patient : Indonesia case study
6. Jamal KH Madhloom Al-Bdairi – PhD: Cloud based Smart Wireless Sensors using Android Multi-Agent System and Web Services
7. Ban Salman Shukur – PhD: The development of Cloud Computing Framework for Iraqi E-government.

EXAMINER

1. J. Ramsingh – PhD : *Design And Development Of An Integrated Big Data Model To Analyse Risk Factors Of Diabetes Mellitus* (School of Computer Science and Engineering Department of Computer Applications, Bharathiar University Coimbatore, Tamilnadu, India - 2019.
2. Kam Kui Lim (UTM) - Master by research: *Electrocardiogram delineation using wavelet transform and application development of telecardiology system* – Dec 2017
3. Abdel Aziz Ahmed Mustapha (IIUM) – PhD: *A Perception-Based Assesment of Business-to-consumer (B2C) E-Commerce by SME(s) in Sudan* – Jun 2017
Mohd Zaid Bin Jamal (UiTM) - Master by research: *Applying Quality Function Deployment (QFD) in the Development of a Finger Based Hand Exerciser for Computer Application* – Mac 2017
4. Alter Jimat Embung (UMS) – Master by research: *Sonification of 3D Body Movement Using Parameter Mapping Technique* – Dec 2016
5. Malik Bader Al-Azzam – PhD: *Factors Influencing Medical Staff Adoption of EHR in Jordan Telemedicine (UTeM)* – October 2016
6. AHMED N. FAHAD – PhD: *“The Development of Information Technology Readiness Assessment Framework (ITRAF): Investigating Key Factors that Contribute to IT Readiness to use E-Learning in Iraqi Universities (UNITEN)* – October 2016
7. Magaji Zainab Musa – Master by research: *Formal Specifications and Validations for Library Web Service Application (UNISZA)* – Oct 2015
8. Rudiyanto Bin Philman Jong – Master by research: *Cardiovascular System Model with Valve Degeneration (UTM)* – Mac 2014.
9. Ferda Ernawan – PhD: *A Psychovisual Threshold in Image Compression (UTeM)* – July 2014
10. Maznah Ahmad - PhD: *Exploring Impact of implementation Process of Electronic Health Record on System Service Quality and Individual Performance among Healthcare Practitioners (Islamic International University of Malaysia) - 2013*
11. Nurazean Maarof - PhD: *Understanding the Acceptance of Teleconsultation Technology in Malaysian Government Hospitals (University of Wollongong, Australia) - 2012.*
12. Siti Rahayu Binti Selamat – PhD: *Trace Map Model for Digital Forensic Investigation Processes (UTeM) - 2011.*
13. Wan Sazli Nasaruddin Saifudin – Master by research: *The Development Of Multimedia Mobile Content Development (MMCD) Framework And Methodology (UTeM) - 2010.*

VIVA Chairman:

1. Ngau Duo Seng (PhD) – Modeling Primary Market Spread of Securitization in Malaysia – July 2019
2. Ahmed Salih Khirbeet (PhD) – WIFI BASED INDOOR LOCALIZATION FOR CYCLIC DYNAMIC BEHAVIOUR – Mei 2019
3. Nazrul Muhaimin Ahmad (PhD) - PASSIVE CLIENT-CENTRIC ROGUE ACCESS POINT DETECTION FRAMEWORK FOR Wi-Fi HOTSPOTS – Jun 2017
4. Mustafa Almahdi Algaet (PhD) - High Fidelity Medical Image Compression Algorithm in Wlan Transmission – 29 Aug 2016
5. Nor Hafeizah Hassan (PhD) – A Framework for Software Security Testing – Mac 2016
6. Safiza Suhana Kamal Baharin (PhD) – A Context-Based-Query-Driven Approach In Conceptual Schema Design Framework Of Spatial Data Warehouse For Disaster Management – Nov 2015
7. Noor Athira Abidullah – Chairman For Master By Research: Title : Real-Time Power Quality Signals Detection and Classification System – Aug 2015
8. Abdul Fuad Abd Rahman – Chairman for Master by research: Practical Impact Assessment : An Approach In Securing Wireless Body Area Network (WBAN) – October 2014

F. Journal Editorial Board/Reviewer Board Members

Editorial Board

1. International Journal of Clinical & Medical Informatics (IJCMI) - <http://www.tridhascholars.org/international-journal-of-clinical-medical-informatics-editorial-board.php>
2. Journal of Healthcare Communications - <http://healthcare-communications.imedpub.com/editors.php>
3. Jurnal Informatika - <http://www.jurnal.uad.ac.id/index.php/JIFO/about/editorialTeam>

Reviewer Board

4. International Journal of Medical Informatics - <https://www.journals.elsevier.com/international-journal-of-medical-informatics/editorial-board>. (reviewer board)
5. Current Trend Medical Diagnostic Methods - Gavin Publishes https://www.gavinpublishers.com/journals/board_members/Current-Trends-in-Medical-Diagnostic-Methods. (reviewer board)

G. PUBLICATIONS

1. MA Mohammed, SA Mostafa, OI Obaid, SRM Zeebaree, **MKA Ghani** (2019)) An Anti-Spam Detection Model for Emails of Multi-Natural Language, Journal of Southwest Jiaotong University 54 (3)

2. J Sutopo, **MKA Ghani**, MA Burhanuddin, H Ardiansyah, MA Mohammed (2019) The Synchronisation Of Motion Capture Results In The Animation Character Reinforcement Process, *Journal of Southwest Jiaotong University* 54 (3)
3. BS Shukur, **MKA Ghani**, MA Burhasnuddin (2019) A Cloud Computing Framework for Higher Education Institutes in Developing Countries (CCF_HEI_DC), *Intelligent and Interactive Computing*, 397-409
4. AA Mutlag, **MKA Ghani**, N Arunkumar, MM Abed, O Mohd (2019) Enabling technologies for fog computing in healthcare IoT systems, *Future Generation Computer Systems*, Volume 90, pp. 62-78, Elsevier, ISI Q1, IF 6.0
5. Ali Fahem Neamah, **MKA Ghani**, Abdul R Al Walili (2019) Electronic Health Records (EHR) and Staff Access to Technology, *Transylvanian Review*, vol 1, Iss. 3. ISSN: 1221-1249
6. Salama A Mostafa, Aida Mustapha, Mazin Abed Mohammed, Raed Ibraheem Hamed, N Arunkumar, **MKA Ghani**, Mustafa Musa Jaber, Shihab Hamad Khaleefah (2019) Examining multiple feature evaluation and classification methods for improving the diagnosis of Parkinson's disease, *Cognitive Systems Research*, Volume 54, pp. 90-99, Elsevier.
7. **MKA Ghani**, Mazin Abed Mohammed, N Arunkumar, Salama A Mostafa, Dheyaa Ahmed Ibrahim, Mohamad Khir Abdullah, Mustafa Musa Jaber, Enas Abdulhay, Gustavo Ramirez-Gonzalez, MA Burhanuddin (2018), Decision-level fusion scheme for nasopharyngeal carcinoma identification using machine learning techniques, *Neural Computing and Applications*, Springer London, p.p. 1-14
8. N. Arunkumar, Mazin Abed Mohammed, **MKA Ghani**, Dheyaa Ahmed Ibrahim, Enas Abdulhay, Gustavo Ramirez-Gonzalez, Victor Hugo C. de Albuquerque (2018) "K-Means clustering and neural network for object detecting and identifying abnormality of brain tumor", *Soft Computing Journal*, Springer, ISSN: 1432-7643 (Print) 1433-7479 (Online), ISI Q1 (IF = 2.367)
9. BS Shukur, **MKA Ghani**, MA Burhanuddin (2018), An Analysis of Cloud Computing Adoption Framework for Iraqi e-Government, *International Journal of Advanced Computer Science and Applications* 9 (8), ISI Q1
10. AF Neamah, **MKA Ghani** (2018) Adoption of E-Health Records Management Model in Health Sector of Iraq, *Indian Journal of Science and Technology* 11 (30), DOI: 10.17485/ijst/2018/v11i1, Scopus Q3.
11. **MKA Ghani**, Mazin Abed Mohamed, Salama A Mostafa, Aida Mustapha, Hannani Aman, Mustafa Musa Jaber (2018) The Design of Flexible Telemedicine Framework for Healthcare Big Data, *International Journal of Engineering & Technology(UAE)*, 7 (3.20) (2018) 461-468. Scopus Q4.
12. **MKA Ghani**, Salama A Mostafa, Aida Mustapha, Hannani Aman, Mazin Abed Mohamed, Mustafa Musa Jaber (2018) Investigating Telemedicine Approaches: a 10-Country Comparison, *International Journal of Engineering & Technology(UAE)*, 7 (3.20) (2018) 451-460. Scopus Q4.
13. **MKA Ghani**, Mustafa Musa Jaber, Salama A Mostafa, Aida Mustapha, Mazin Abed Mohamed, Hannani Aman (2018) Proper Software Engineering Process in Developing an Integrated Telehealth System, *International Journal of Engineering & Technology(UAE)*, 7 (3.20) (2018) 441-450. Scopus Q4.
14. MM Abed, **MKA Ghani**, N Arunkumar, Raed Ibraheem Hamed, Mohamad Khir Abdullah, MA Burhanuddin (2018), A real time computer aided object detection of nasopharyngeal

carcinoma using genetic algorithm and artificial neural network based on Haar feature fear, Journal of Future Generation Computer Systems, Elsevier, Volume 89, pp. 539-547, ISI Q1, IF 4.6.

15. MM Abed, **MKA Ghani**, N Arunkumar, Raed Ibraheem Hamed, Mohamad Khir Abdullah, MA Burhanuddin (2018) Trainable model for segmenting and identifying Nasopharyngeal carcinoma, Journal of Computers and Electrical Engineering, Elsevier, ISI Q1, IF 1.7.
16. MM Abed, **MKA Ghani**, N Arunkumar, Raed Ibraheem Hamed, Mohamad Khir Abdullah, MA Burhanuddin (2018) Decision support system for nasopharyngeal carcinoma discrimination from endoscopic images using artificial neural network, 2018, The Journal of Supercomputing, Springer, ISI Q2, IF 1.5.
17. MM Abed, **MKA Ghani**, N Arunkumar, Raed Ibraheem Hamed, Mohamad Khir Abdullah, MA Burhanuddin (2018) Decision Level Fusion Scheme for Nasopharyngeal Carcinoma Identification, 2018, neural computing and applications journal, Springer, ISI Q1, IF 4.2. Submitted.
18. MM Abed, Belal Al-Khateeb, Ahmed Noori Rashid, Dheyaa Ahmed Ibrahim, **MKA Ghani**, Salama A Mostafa (2018), Neural network and multi-fractal dimension features for breast cancer classification from ultrasound images, Computer & Electrical Engineering, Elsevier, <https://doi.org/10.1016/j.compeleceng.2018.01.033>.
19. NM Yaacob, AS Shibghatullah, **MKA Ghani**, L Salahuddin (2018) A Review on Electronic Personalized Health Records, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), Volume 10, Issue 2-2, Pages 77-81
20. **MKA Ghani**, MM Abed, MS Ibrahim, SA Mostafa, ID Ahmed (2017), IMPLEMENTING AN EFFICIENT EXPERT SYSTEM FOR SERVICES CENTER MANAGEMENT BY FUZZY LOGIC CONTROLLER. Journal of Theoretical & Applied Information Technology 95 (13) [SCOPUS Q3]
21. NSC Khalid, BM Aboobaider, NK Ibrahim, Z Sahri, **MKA Ghani** (2017), DATA MINING VARIABLES AND FEATURES SELECTION FOR MALAYSIA BLOOD DONOR'S PREFERENCE USING CORRELATION TECHNIQUE, Journal of Engineering and Applied Sciences 12 (14), 3638-3643 [SCOPUS Q3]
22. MA Mohammed, **MKA Ghani**, OI Obaid, SA Mostafa, MS Ahmad (2017), A REVIEW OF GENETIC ALGORITHM APPLICATIONS IN SOLVING VEHICLE ROUTING PROBLEM, Journal of Engineering and Applied Sciences 12 (16), 4267-4283. [SCOPUS Q3]
23. MA Mohammed, **MKA Ghani**, SA Mostafa, DA Ibrahim (2017) , USING SCATTER SEARCH ALGORITHM IN IMPLEMENTING EXAMINATION TIMETABLING PROBLEM, Journal of Engineering and Applied Sciences 12 (18), 4792-4800. [SCOPUS Q3]
24. J Kh-Madhloom, **MKA Ghani** (2017), HIGHER PERFORMANCE DOCKER BASED TELEMEDICINE INTEGRATION USING VIRTUALIZED ENVIRONMENT, International Journal of Enterprise Computing and Business Systems 7 (2) [GOOGLE SCHOLAR]
25. J Kh-Madhloom, **MKA Ghani** (2017), A Pragmatic Evaluation and Integration of Telemedicine on Cloud Environment, International Journal of Computing and Business Research 7 (3) [GOOGLE SCHOLAR]
26. MA Mohammed, **MKA Ghani**, RI Hamed, MK Abdullah, DA Ibrahim (2017) AUTOMATIC SEGMENTATION AND AUTOMATIC SEED POINT SELECTION OF NASOPHARYNGEAL CARCINOMA FROM MICROSCOPY IMAGES USING REGION GROWING BASED APPROACH, Journal of Computational Science 20, 61-69 [ISI Q1]

27. MA Mohammed, MKA Ghani, RI Hamed, DA Ibrahim (2017) ANALYSIS OF AN ELECTRONIC METHODS FOR NASOPHARYNGEAL CARCINOMA: PREVALENCE, DIAGNOSIS, CHALLENGES AND TECHNOLOGIES, *Journal of Computational Science*, 21, 241-254. [ISI Q1]
28. MA Mohammed, MKA Ghani, RI Hamed, SA Mostafa, DA Ibrahim (2017), SOLVING VEHICLE ROUTING PROBLEM BY USING IMPROVED K-NEAREST NEIGHBOR ALGORITHM FOR BEST SOLUTION, *Journal of Computational Science*, 21, 232-240. [ISI Q1]
29. MA Mohammed, MKA Ghani, RI Hamed, DA Ibrahim, MK Abdullah (2017), ARTIFICIAL NEURAL NETWORKS FOR AUTOMATIC SEGMENTATION AND IDENTIFICATION OF NASOPHARYNGEAL CARCINOMA, *Journal of Computational Science*, 21,263-274. [ISI Q1]
30. MA Mohammed, MKA Ghani, RI Hamed, DA Ibrahim (2017), REVIEW ON NASOPHARYNGEAL CARCINOMA: CONCEPTS, METHODS OF ANALYSIS, SEGMENTATION, CLASSIFICATION, PREDICTION AND IMPACT: A REVIEW OF THE RESEARCH LITERATURE, *Journal of Computational Science*, 21,263-298. [ISI Q1]
31. MA Mohammed, MKA Ghani, RI Hamed, SA Mostafa, DA Ibrahim (2017), SOLVING VEHICLE ROUTING PROBLEM BY USING IMPROVED GENETIC ALGORITHM FOR OPTIMAL SOLUTION, *Journal of Computational Science*, 21,255-262. [ISI Q1].
32. MKA Ghani, MA Mohammed, RI Hamed, SA Mostafa, DA Ibrahim (2017), Implementing An Efficient Expert System For Services Center Management By Fuzzy Logic Controller, *Journal of Theoretical and Applied Information Technology*, ISSN: 1992-8645, Vol95, pp. 13. [SCOPUS Q3]
33. JKH Madhloom & MKA Ghani, (2017), Effectual Approach for Telemedicine in Network Environment using Software Defined Networking on Internet of Thing (IoT), ISSN(online) :2230-8849, VOL 7 ISSUE 1.
34. **MKA Ghani**, Mazin AM, MS Ahmad & Dheyaa AI (2016) "Solving Vehicle Routing Problem by Using Genetic Algorithm", *Journal of Engineering and Applied Sciences*, ISSN 18187803 (in press). [SCOPUS Q2].
35. **MKA Ghani**, Mazin AM & Dheyaa AI (2016) "Using Scatter Search Algorithm in Implementing Examination Timetabling Problem", *Journal of Engineering and Applied Sciences*, ISSN 18187803 (in press).. [SCOPUS Q2].
36. **MKA Ghani**, MM Jaber (2016) "A Hypothesis of Individual Factors to Adopt Telemedicine in Iraq: Conceptual Framework", *Mediterranean Journal of Social Sciences*, ISSN 2039-2117 (in press). [SCOPUS Q4]
37. **MKA Ghani** & AF Neamah (2016) "A Review Of Adoption Of Electronic Health Records In Middle East Countries", *International Journal of Development Research*, Vol. 06, Issue, 09, pp.9385-9389, ISSN 2230-9926.
38. **MKA Ghani** & AF Neamah (2016) "Electronic Health Records Challenges and Barriers in Iraq", *Computer Engineering and Intelligent Systems*, ISSN 2222-1719 (Paper) ISSN 2222-2863 (Online) Vol.7, No.6, 2016.
39. RRR Ikram, **MKA Ghani**, N Abdullah (2015) "An analysis of application of health informatics in Traditional Medicine: A review of four Traditional Medicine Systems", *International journal of medical informatics* 84 (11), 988-996. [ISI Q1]

40. **MKA Ghani**, MM Jaber (2015) "Willingness to Adopt Telemedicine in Major Iraqi Hospitals: A Pilot Study, International Journal of Telemedicine and Applications", Volume 2015 (2015), Article ID 136591. [ISI Q2]
41. **MKA Ghani**, DH Sutanto (2015) "Improving Classification Accuracy For Non-Communicable Disease Prediction Model Based On Support Vector Machine", Jurnal Teknologi 77 (18). [SCOPUS Q3]
42. **MKA Ghani**, F Aris (2015) "The Design Of Mobile Personalised Health Records", Jurnal Teknologi 77 (18), ISSN 21803722 [SCOPUS Q3]
43. **Abd Ghani, M.K.**, MM Jaber, N Suryana (2015) Telemedicine Supported By Data Warehouse Architecture, ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 2, ISSN 1819-6608. [SCOPUS Q3]
44. **MKA Ghani**, RRR Ikram (2015) "DEVELOPMENT OF CLINICAL MINIMUM DATASET FOR POSTNATAL TREATMENT IN TRADITIONAL MALAY MEDICINE", ARPN Journal of Engineering and Applied Sciences 10 (19), 9031-9037. [SCOPUS Q3].
45. **Abd Ghani M.K.**, Jaber M.M., and Suryana N. (2015) "BARRIERS FACES TELEMEDICINE IMPLEMENTATION IN THE DEVELOPING COUNTRIES: TOWARD BUILDING IRAQI TELEMEDICINE FRAMEWORK", ARPN Journal of Engineering and Applied Sciences, vol 7, 349-353. ISSN 1819-6608 [SCOPUS Q3]
46. **Abd Ghani M.K.**, Jaber M.M. and Suryana N. (2015) "Telemedicine Supported by Data Warehouse Architecture ", ARPN Journal of Engineering and Applied Sciences, Vol 10, No 2, ISSN 1819-6608. [SCOPUS Q3]
47. **MKA Ghani**, MM Jaber (2015) "The Effect of Patient Privacy on Telemedicine Implementation in Developing Countries: Iraq Case Study", Research Journal of Applied Sciences, Engineering and Technology, in press [SCOPUS Q4]
48. **Abd Ghani, M.K.**, Raja Ikram, R.R. and Hasan Basari A.S. (2015) "Computerised systems framework for the halal pharmaceuticals", International Journal of Telemedicine and Clinical Practices 1(1), 77-93
49. ABA Hamida Mohammed Almangush, **MKA Ghani** (2015) "MultiLayer Reversible Data Hiding Based on Histogram Shifting with High Quality and Capacity, International Review on Computers and Software (IRECOS) 10 (8). [SCOPUS Q3]
50. OM Hambaran, **MKA Ghani**, RRR Ikram, BM Aboobaider (2015) "Implementation Of Hybrid Software Architecture Framework In Clinical Information System: A Case Study Of A Malaysian Clinic, ARPN Journal of Engineering and Applied Sciences 10 (20), 9891- 9895. [SCOPUS Q3]
51. DH Sutanto, **MKA Ghani** (2015) "Improving classification performance of k-nearest neighbour by hybrid clustering and feature selection for non-communicable disease prediction", ARPN Journal of Engineering and Applied Sciences 10 (16), 6817-6825 [SCOPUS Q3]
52. Raja Ikram, R.R. and **Abd Ghani, M. K.** (2015) "An Overview of Traditional Malay Medicine in the Malaysian Healthcare", Journal of Applied Sciences 15 (5), 723-727 [SCOPUS Q3]

53. Raja Ikram, R.R. and **Abd Ghani, M. K.** (2015) "A Framework for Integrated Postnatal Care Services for Traditional Malay Medicine and Modern Medicine", *International Journal of Applied Engineering Research* , Volume 10 (2). ISSN: 4939-4947. [SCOPUS Q4]
54. RRR Ikram, **MKA Ghani** (2015) "INTEGRATED MODERN AND TRADITIONAL MALAY MEDICINE HEALTHCARE SERVICES IN POSTNATAL CARE – AN EVALUATION OF MYPOSTNATALSYS", *ARPN Journal of Engineering and Applied Sciences* 10 (19), 9002-9008. [SCOPUS Q3]
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Proceedings/conferences

1. Novi Azman, Sandy Rahmat Wicaksono, Viktor Vekky Ronald Repi, MKA Ghani, Ernawati Sinaga, Muhammad Haikal Satria (2018) Development of Embedded System for Centralized Insomnia System, 5th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2018) will be held in Malang, Indonesia on October 16-18, 2018
2. Ban Salman Shukur, MKA Ghani, M.A Burhanuddin (2018) A Cloud Computing Framework for Higher Education Institutes in Developing Countries (CCF_HEI_DC), International Conference on Intelligent and Interactive Computing 2018 (IIC2018), 8-9 August 2018, Melaka, Malaysia
3. Ban Salman Shukur, MKA Ghani, M.A Burhanuddin (2018) An Analysis of Cloud Computing Adoption Framework for Iraqi E-government, 2018 4th International Conference on Science in Information Technology (ICSITech), Melaka Malaysia, 30-31 October, 2018.
4. Novi Azman, Sandy Rahmat Wicaksono, Viktor Vekky Ronald Repi, MKA Ghani, Ernawati Sinaga, Muhammad Haikal Satria (2018) Development Biosignal Monitoring for Insomnia Using ECG Prediction, Innovative Research and Industrial Dialogue 2018 (IRID18), Universiti Teknikal Malaysia Melaka, 18 July 2018.
5. Abd Ghani M.K. and Jaber M.M. (2015) "An Integrated Home Telemonitoring Framework for Elderly Patient", Forum Informatika Kesehatan Indonesia 2015, Inna Garuda Malioboro Hotel, Yogyakarta, 22 -23 October 2015.
6. Yaacob N.M., MKA Ghani, Basari A.S.H (2015) "A Design for Web Based Electronic Personalized Health Record [e-PHR]: A Case study in Malaysian University", International Conference on Electrical and Electronic Engineering, 10-11 Aug 2015, Melaka, Malaysia

7. Abidin NAZ and MKA Ghani (2015) "A Framework of Telehomecare system among Health workers (Malaysia context)", International Conference on Electrical and Electronic Engineering, 10-11 Aug 2015, Melaka, Malaysia
8. Abidin NAZ and MKA Ghani (2015) "An Overview of Telehomecare", International Conference on Electrical and Electronic Engineering, 10-11 Aug 2015, Melaka, Malaysia.
9. Abd Ghani M.K., Jaber M.M. and Suryana N. (2014) "Telemedicine Supported by Data Warehouse Architecture ", in Proc. Advancement in Information Technology International Conference (ADVCIT 2014), December 16-18, Bandung, Indonesia.
10. Abd Ghani M.K. (2014) "Tutorial Speaker: The Potential of Telehealth Application in the Future", in Proc. World Congress in Information and Communication Technologies (WICT 2014), December 8-10, Malacca, Malaysia.
11. O. S. Goh, M. K. A. Ghani, Y. J. Kumar, Y.H. Choo and A.K. Muda (2014) "Massive Open Online Course (MOOC) with Learning Objects and Intelligent Agent Technologies", in Proc. International Conference on IT Convergence and Security (ICITCS), 2014, pp. 125-128. Beijing, China.
12. Y. J. Kumar, O. S. Goh, M. K. A. Ghani, N. Salim and A. T. Albaham (2014) "Voting Models for Summary Extraction from Text Documents", in Proc. International Conference on Information, Management Science and Applications (ICIMSA), 2014, pp. 331-334. Beijing, China.
13. Raja Ikram, Raja Rina and Abd Ghani, M. K. and Abd. Samad, Hasan Basari (2013) 'Novel Computerised Halal Pharmaceuticals Supply Chain Framework: A Quality and Production Case Study' IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA 2013), Kuching, Sarawak.
14. Abd Ghani, M. K. and Dewi, I. N. (2012) Comparing Speech Recognition and Text Writing in Recording Patient Health Records, IEEE-EMBS Conference on Biomedical Engineering & Sciences (IECBES 2012). Dec 17-19, 2012, Langkawi, Malaysia.
15. Abd Ghani, M. K., Noma, N. G., Abdullah, M. K. and Yahya, N. (2012) Discovering Pattern in Medical Audiology Data with FP-Growth Algorithm, IEEE-EMBS Conference on Biomedical Engineering & Sciences (IECBES 2012). Dec 17-19, 2012, Langkawi, Malaysia.
16. Raja Ikram, Raja Rina and Abd Ghani, M. K. and Abd. Samad, Hasan Basari (2012) *Halal Computer Systems Validation Quality Assurance, Risk Assessment and Regulatory Compliance For The Pharmaceutical and Healthcare Industry*. In: 3rd International Conference on Engineering & ICT (ICEI2012), April 4-6, 2012, Melaka, Malaysia.
17. Abd Ghani, M. K. and Lee, C. W. (2011) *The Design of Flexible Pervasive Electronic Health Record (PEHR)*. In: IEEE Colloquium on Humanities, Science and Engineering Research (CHUSER2011), 5 -6 December 2011, Penang, Malaysia.
18. Abd.Rahim, Y and Sahib, S. and Abd Ghani, M. K. and Yaacob, A.H (2011) *A Hybrid Method For K-Anonymization Using Clustering Technique*. In: International Conference on Aerospace Engineering and Information Technology (AEIT 2011), May 5-6, 2011, Beijing China.
19. Abd.Rahim, Y and Sahib, S and Abd Ghani, M. K. (2011) *Pseudonmization Techniques for Clinical Data: Privacy Study in Sultan Ismail Hospital Johor Bahru*. In: International Conference on Mechanical Engineering and Materials Science (ICMEMS 2011) , September 24-25, 2011, Cheju Island, Korea..

20. Abd Ghani, M. K. and G. Noma, N (2011) *Seamless Access to cancer patient's EMR through Short Message Service and 2D Barcode*. In: Malaysian Technical Universities International Conference (MUiCET2011), 13-15 Nov 2011, Batu Pahat, Johor.
21. Abd Ghani, M. K., Bali, R. K., Naguib, R. N. G., Marshall, I. M., Baskaran, V., Wickramasinghe, N. & Puentes, J. (2008) "A Flexible Telemedicine Framework for the Continuous Upkeep of Patient Health Record", *Proceedings of the Fourteenth Americas Conference on Information Systems, Toronto, ON, Canada August 14th-17th 2008*.
22. Nguyen, Q. T., Abd Ghani, M. K., Naguib, R. N. G., Bali, R. K., Marshall, I. M. & Phuong, N. H. (2008) "Issues and Challenges in the Development of Electronic Health Records in Malaysia and Vietnam", *VN-HISMANAG'08 - Conference on Applications of Medical Informatics in Hospital Management*.
23. Abd Ghani, M. K., Bali, R. K., Naguib, R. N. G. & Marshall, I. (2007) "The Design of Flexible Front End Framework for Accessing Patient Health Records through Short Message Service", *IEEE Asia-Pacific Conference on Applied Electromagnetics*, Melaka, Malaysia, 4-6 December 2007, pp.1-5.
24. Abd Ghani, M.K., Shibghatullah, A.S., & Selamat M.H. (2006) "A Flexible Framework For A Web Transactional Application", International Conference on Science and Technology - Applications in Industry and Education (ICSTIE 2006), Penang, Malaysia, 8-9 December 2006.

Books/Chapters

1. Mohd Khanapi Abd Ghani (in press) ASAS PEMBANGUNAN PERISIAN DENGAN KAJIAN KES DAN DOKUMEN TEKNIKAL.
2. Mohd Khanapi Abd Ghani and Raja Rina Raja Ikram (2017) HEALTH INFORMATICS RESEARCH: CASE STUDY AND APPLICATIONS, Penerbit UTeM, Malaysia. ISBN:9789672145035
3. Abd Ghani, M. K. (2016) *Software Project Management: A Guide to Manage Software Development Project (second edition)*, Penerbit UTeM, Malaysia.
4. Ford Lumbau Gaol, Zenon Chaczko, Kiyota Hashimoto, Tokuro Matsuo and William Grosky (2014) Advance in Intelligent Systems in Daniel Hartono Susanto, Nana Suryana, Mohd Khanapi Abd Ghani (2014) The Conceptual Development of The Proposed Telediagnostic tool using Metaheuristic Case-Based Reasoning for ASEAN health care Community, p.p. 177, WIT Press U.K., ISBN 978-1-84564-869-5.
5. Rajeev Bali, Indrit Troshani, Steve Goldberg and Nilmini Wickramasinghe (2013) *Pervasive Health Knowledge Management in Mohd Khanapi Abd Ghani, ed. (2013) The analysis and design of a Pervasive Health Record: perspectives from Malaysia*, p.p. 81-101, Springer, USA. ISBN: 978-1-4614-4513-5.
6. Wickramasinghe, N., Bali, R.K., Lehaney, B. (2009) "Healthcare Knowledge Management Primer", In Abd Ghani M.K, ed. (2009) Case Exercise: KM and Personal Health Records – A Malaysian Perspective, p.p. 45-49, Routledge:USA, ISBN: 978-0-415-99443-9.
7. Abd Ghani, M. K. (2011) *Software Project Management: A Practical Guide to manage Small Software Development Project*. Penerbit UTeM, Malaysia.
8. Abd Ghani, M. K. and Sulaiman, S (2011) *Software Requirement Analysis and Design: Object-oriented approach with UML*. Penerbit UTeM, Malaysia.
9. Sulaiman M.S. & Abd Ghani M.K. (2007) "Lab Module for Software Testing and Quality Assurance", UTeM
10. Sulaiman M.S. & Abd Ghani M.K. (2007) "Lab Module for Software Analysis and Design", UTeM,.
11. Abd Ghani M.K. (2006) "Panduan Pelaksanaan Projek Sarjana Muda", UTeM,

12. Abd Ghani M.K. (2006) "Panduan Pelaksanaan Projek Diploma", UTeM,

H. Keynotes Speaker/Tutorial Speaker

1. Keynotes speaker in “International Conference on Computer, Communication & Information Technology – CCIT 2019” - Healthsharing Through IoT and its Application in Healthcare World, University of Anbar, Iraq, April 24-25, 2019.
2. Tutorial speaker “Publishing in High Index Journal” in Baghdad College for Economic and Sciences University, Baghdad, Iraq, April 23 2019.
3. Tutorial speaker “Research Methodology Towards High Impact Journal” in Dijlah University, Baghdad, Iraq, April 22, 2019.
4. Keynotes speaker on “International International Seminar "Current Trend in IOT and Its Application in Medical World" , Universitas Nasional, Jakarta, Indonesia - Nov 25, 2017
5. Public Lecture on “The Future of Health Informatics Research”, 19th January 2016, Universitas Islam Indonesia, Yogyakarta, Indonesia.
6. Public Lecture on “Research methodology and Journal Publications”, 18th January 2016, University of Technology Yogyakarta, Yogyakarta, Indonesia.
7. Keynotes speaker on “International Conference on Computer Science, Engineering and Technology (COMCSET 2016), 23-24 January 2016, Universiti Teknologi Malaysia, Kuala Lumpur Kampus, K.L.
8. Tutorial Speaker on “The Potential of Telehealth Application in the Future”, in Proc. World Congress in Information and Communication Technologies (WICT 2014), December 8-10, Malacca, Malaysia.
9. Speaker on “Ubiquitous Personalised Health Records”, in Colloquium of Personalised Health Records, UTeM, Nov 2014.

I. Research Grants/projects

1. Electronic Clinical Support System for UTeM Healthcare Centre (PJP/Prototype/2014) – 15/12/2014 – 14/12/2015) – Project leader.
2. Pembangunan Aplikasi Sistem Program Pengayaan MRSM, E-MEPS – 1/11/2014 – 31/10/2015 – Project leader.
3. Ubiquitous Personalised Health Records system (PJP/2012/C-ACT/Y00003 - 1/10/2012 - 30/04/2014) - Project leader.
4. Telehomecare system for elderly with chronic diseases (PJP/2012/FTMK(54D - 6/1/2012 - 30/11/2013) - Principle researcher.
5. Developing a path model of team communication in innovation R&D teams (FRGS - 5/1/2012 - 30/4/2014) - Co-researcher.
6. A novel haze removal technique based on spectral and statistical methods (FRGS - 5/1/2012 - 30/4/2014) - Co-researcher.
7. Design and implementation of mobile lifetime health record backup system for seamless and continues access in time of dire need - PJP/2011/FTMK(11D) S00893 (1/3/2011 - 29/2/2012) - Co-researcher.
8. Impact analysis image compression techniques for ENT telemedicine systems – PJP/2011/FTMK(9D) S00891 (1/3/2011 - 28/2/2011) - Co-researcher.
9. Interoperable Health Order Mgt System (i-HOMS) - PJP/2010/FTMK (6E) S689 (1/3/2010 - 28/2/2011) - Principle researcher.
10. An Integrated and Distributed Framework for a Malaysian Telemedicine System, UTeM-Coventry (2006-2008) - Principle researcher.
11. Flexible Front End Framework for Accessing Patient Health Records through Short Message Service, Coventry University, UK (1/6/2007 - 30/5/2008) - Principle researcher.
12. Object-Oriented Component-Based Framework For Web Transactional Application, UTeM – PJP (1/1/2004-31/12/2004) - Principle researcher.

I. INTELLECTUAL PROPRIETY

Copyright:

1. Sistem maklumat Robofair - LY2016001086
2. Sistem maklumat Karnival Matematik - LY2015001067
3. Sistem maklumat Tunas Saintis - LY2015001066
4. Voice calling system - LY2015000294
5. Electronic Personalised Health Record (E-PHR) - LY2015000292
6. Electronic Clinical Support System (E-CSS) - LY2015000291
7. Ubiquitous Personalised Health Records System (UPHRS) - LY2015000295
8. Mobile Personalised Health Records (M-PHR) - LY2015000293

J. HISTORY of MANAGEMENT POST IN CURRENT ORGANISATION

1. Coordinator for Master programme in Information System (May 2016 – till now)
2. Chairman of Income Generation Committee for Faculty (Jan 2016 – till now)
3. Dean Faculty of Information and Communication Technologies, UTeM (26 May 2013 - 27 May 2015)
4. Senate members (UTeM) (26 May 2013 - 27 May 2015)
5. Academic senate standing committee members (UTeM) (26 May 2013 - 27 May 2015)
6. Academic planning senate standing committee members (UTeM) (26 May 2013 - 27 May 2015)
7. Research and Innovation senate standing committee members (UTeM) (26 May 2013 - 27 May 2015)
8. Industry relations senate standing committee members (UTeM) (26 May 2013 - 27 May 2015)
9. Post- graduate senate standing committee members (UTeM) (26 May 2013 - 27 May 2015)
10. Deputy Dean of Research and Post-graduate (Jan 2013 – May 2013)
11. Deputy Director of Centre for Research and Innovation Management (Jun 2011 – Dec 2013)
12. Ketua penyelarar jawatankuasa 4 (multimedia) sempena majlis konvokesyen ke-9 UTeM
13. Ketua penyelarar jawatankuasa 4 (multimedia) sempena majlis konvokesyen ke-10 UTeM
14. Ketua jawatan kuasa (Informasi dan multimedia) program kejohanan FV Malaysia 2015
15. Pengerusi panel penilai peringkat fakulti kejuruteraan mekanikal bagi anugerah akademik UTeM 2013
16. Ketua jentera penggerak (Task force) program pembangunan kepimpinan UTeM (ULDP) - Personalised Learning Environment
17. Pengerusi jawatankuasa sebut harga bekalan dan perkhidmatan Fakulti Teknologi Maklumat dan Komunikasi
18. Pengerusi mesyuarat panel penilai peringkat fakulti urusan kenaikan pangkat staf akademik UTeM ke jawatan pensyarah kanan dan professor madya tahun 2014
19. Pengerusi panel penilai peringkat FTMK bagi anugerah akademik universiti bagi tahun 2012
20. Ahli panel penilai teknikal kategori anugerah inovasi dan pengkomersilan produk bagu anugerah AAU 2014
21. Panel penilai geran penyelidikan nasional bagi UTeM 2015
22. Ahli jawatankuasa tabung mobiliti pelajar UTeM
23. Ahli panel penilai teknikal kategori anugerah inovasi dan pengkomersilan produk bagu anugerah AAU 2013
24. Ahli jawatankuasa kerja pusat repositori institusi (IR) UTeM bagi 2012, 2013 dan 2014
25. Ahli jawatankuasa tetap senat perancangan akademik bagi 2 tahun sebagai dekan.
26. Ahli jawatankuasa tetap senat pengajian siswazah bagi 2 tahun sebagai dekan
27. Ahli jawatankuasa tetap senat mengenai peperiksaan/keputusan peperiksaan bagi 2 tahun sebagai dekan.
28. Ahli jawatankuasa tetap senat penyelidikan dan inovasi bagi 2 tahun sebagai dekan.
29. Ahli jawatankuasa tetap senat hal ehwal akademik bagi 2 tahun sebagai dekan.
30. Ahli jawatankuasa tetap senat jaringan industri dan masyarakat bagi 2014/2015
31. Ahli jawatankuasa tetap senat hadiah akademik UTeM bag 2 tahun sebagai dekan
32. Ahli jawatankuasa tetap senat kemasukan pelajar bag 2 tahun sebagai dekan
33. Ahli senat Universiti Teknikal Malaysia Melaka selama 2 tahun sebagai Dekan

34. Ahli panel penilai teknikal kategori anugerah penyelidikan bagi AAU tahun 2012
35. Ahli panel penilai teknikal kategori anugerah KHAS AAU tahun 2012
36. Ahli jawatankuasa kecil akademik dan kemasukan pelajar pelaksanaan audit kesediaan autonomi UTeM
37. Penghargaan atas sumbangan cemerlang dalam menjayakan majlis konvokesyen ke 9
38. Organising committee member of Software Engineering Postgraduate Workshop 2013 (SEPOW 2013) Melaka, Malaysia
39. Organising committee member of Provable Security 2013 UTeM, Melaka, Malaysia
40. Ahli jawatan kuasa penyeliaan pengajaran dan pembelajaran (P&P) FTMK bagi 2015
41. Penilai dalam bagi program sarjana sains komputer di FTMK, UTeM
42. Penilai dalam bagi seminar pasca siswazah bagi pelajar mod penyelidikan dan doktor falsafah bagi tahun 2014/2015
43. Ahli mesyuarat panel penilai peringkat fakulti urusan kenaikan pangkat staf akademik UTeM ke jawatan professor gred khas C bagi 2014
44. Ahli panel penilai peringkat fakulti urusan kenaikan pangkat staf akademik UTeM ke jawatan pensyarah kanan dan professor madya tahun 2014.
45. Deputy Dean (Research and Post-Graduate) (Jan 2013 - May 2013)
46. Deputy Director for Centre for Research and Innovation Management (CRIM) (Aug 2011 - Dec 2012)
47. Head of Doctor in IT programme (2010 – 2011)
48. Chairman of Colloquium committee for faculty (2010 – 2011)
49. Chairman of Short courses and professional courses committee for faculty (2010- 2011)
50. Member of Final degree & diploma project committee for faculty (2009- 2011)
51. Member of Post-graduate committee for faculty (2010- till now)
52. Member of Integrated repository committee for university (2009 – till now)
53. Member of infrastructure committee for faculty (2009-2010)
54. Member of Software Engineering seminar committee'2010
55. member of Jawatankuasa Akademik FTTP (2009-2010)
56. Petugas Karnival Pendidikan Peringkat Negeri Melaka (2009)
57. Chairman of final degree & diploma project committee for faculty (2003-2005)
58. Member of Academic committee for faculty (2003-2005)
59. Member of carrier day committee for fakulti (2004)
60. Member of Short courses and professional courses committee for faculty (2003-2004)

K. ACHIEVEMENTS/AWARDS

- CALON ANUGERAH AKADEMIK UNIVERSITI (AAU) KATEGORI KUALITI MAKALAH JURNAL TERBAIK 2018
- JOHAN ANUGERAH AKADEMIK UNIVERSITI (AAU) KATEGORI KUALITI MAKALAH JURNAL TERBAIK 2017
- GOLD MEDAL INTERNATIONAL INVENTION INNOVATION COMPETITION DI CANADA (iCAN 2017) TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS)
- SPECIAL INNOVATION AWARD INTERNATIONAL INVENTION INNOVATION COMPETITION DI CANADA (iCAN 2017) TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS).

L. SPECIALISATION AND COMPETENCY

- Certified HTML5 Developer
- System/Software Development
- Software Project Management
- Object-Oriented System Analysis and Design
- Database Architecture and Design
- Software Testing & Quality Assurance
- Unified Modeling Language (UML)
- Software Process with Rational Unified Process (RUP).
- Business Application – Enterprise Resource Planning (ERP- Human Resources, Accounting, Asset Mgt, Purchasing), Banking System, Unit Trust System, Healthcare Information System (E-Health & Telemedicine) and Education information System.